

TAXONOMY

Prosthechea Knowles & Westc., Fl. Cab. 2:111. 1838. TYPE: *Prosthechea glauca* Knowles & Westc., Fl. Cab. 2:111. 1838.

Synonyms: *Anacheilium* Rchb. ex Hoffmanns., *Verz. Orchid.* 21. 1842.
Epithecia Knowles & Westc., Fl. Cab. 2:167. Jan 1839.
Hormidium Lindl. ex Heynh., *Nom. Bot. Hort.* 1:888. 1841.

Pseudobulbs fusiform, often flattened. **Leaves** 1-5, thin. **Inflorescence** scapose or sessile, often with a prominent spathe. **Flowers** usually non-resupinate. **Labellum** adnate to approximately one half of the column, the callus typically a thickened pad. **Column** usually gibbous, lacking wings; midtooth, usually large, erect at apex of column, often covered by a fleshy knob-like, obtuse or truncate appendage, ligulate (connected to the anther cap by a thin flap of tissue), deltoid, subquadrate, or subflabellate, and sometimes fimbriate; anther cap not appressed by

the midtooth; lateral teeth separated from the midtooth by deep narrow sinuses; rostellum individed but not cleft. **Capsule** three-winged or sharply three-angled, the suture covered by a strap of tissue that lifts upon dehiscence. Glycoside crystals large, druse-type, usually present throughout the plant.

ETYMOLOGY: From *prostheke* (Gr., appendage), in reference to the appendage of tissue on the back of the column of *Prosthechea glauca* (Schultes & Pease 1963).

Only new combinations and basionyms are enumerated in the species list. Consideration of sectional placement is beyond the scope of this paper.

Prosthechea abbreviata (Schltr.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum abbreviatum* Schltr., Repert. Spec. Nov. Regni Veg. 3:107, n. 64. 1906.

Prosthechea aemula (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum aemulum* Lindl., Bot. Reg. 22: f. 1898. 1836.

Prosthechea alagoensis (Pabst) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum alagoense* Pabst, An. XIV Congr. Soc. Bot. Bras. 18, n. 43. 24, t. 1, fig. B. 1964.

Prosthechea allemanii (Barb. Rodr.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum allemanii* Barb. Rodr., *Genera et Species Orchidearum Novarum* 1:54, n. 10. t. 400. 1877.

Prosthechea allemanoides (Hoehne) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum allemanoides* Hoehne, Bol. Agric. (São Paulo) 2(4):84. 1947.

Prosthechea baculus (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum baculus* Rchb. f., Bonplandia 4:214, n. 97. 1856.

Prosthechea bennettii (E. Christenson) W.E. Higgins, *comb. nov.* BASIONYM: *Encyclia bennetti* E. Christenson, Brittonia 46(1):29. 31, fig. 5. 1994.

Prosthechea bicamerata (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum bicameratum* Rchb. f., Gard. Chron. 1194. 1871.

Prosthechea boothiana (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum boothianum* Lindl., Bot. Reg. 24: misc. 5, n. 7. 1838.

Prosthechea brachiata (A. Rich. & Galeotti) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum brachiatum* A. Rich. & Galeotti, Ann. Sc. Nat. III 3:20, n. 40. 1845.

Prosthechea brachychila (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum brachychilum* Lindl., Orchid. Linden. 9, n. 51. 1846.

Prosthechea brassavolae (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum brassavolae* Rchb. f., Bot. Zeitung (Berlin) 10:729. 1852.

- Prosthechea bulbosa* (Vell.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum bulbosum* Vell., *Florae Fluminensis* 9: t. 11. 1829.
- Prosthechea caetensis* (Bicalho) W.E. Higgins, *comb. nov.* BASIONYM: *Hormidium caetense* Bicalho, *Bol. Soc. Campineira Orq.* 2(4):26. 1973.
- Prosthechea calamaria* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum calamarium* Lindl., *Bot. Reg.* 24 misc. 88, n. 163. 1838.
- Prosthechea campos-portoi* (Pabst) W.E. Higgins, *comb. nov.* BASIONYM: *Encyclia campos-portoi* Pabst, *Orquidea* 29:62. 1967.
- Prosthechea campylostalix* (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum campylostalix* Rchb. f., *Bot. Zeitung (Berlin)* 10:730. 1852.
- Prosthechea chacaoensis* (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum chacaoense* Rchb. f., *Bonplandia* 2:20, n. 119. 1854.
- Prosthechea chimborazoensis* (Schltr.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum chimborazoensis* Schltr., *Repert. Spec. Nov. Regni. Veg.* 14:389, n. 470. 1916.
- Prosthechea chondylobulbon* (A. Rich & Galeotti) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum chondylobulbon* A. Rich & Galeotti, *Ann. Sci. Nat. Bot.* III 3:20. 1845.
- Prosthechea citrina* (La Llave & Lex.) W.E. Higgins, *comb. nov.* BASIONYM: *Sobralia citrina* La Llave & Lex., *Nov. Veg. Descr.* 21. 1825.
- Prosthechea cochleata* (L.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum cochleatum* L., *Sp. Pl.* (ed. 2) 1351. 1763.
- Prosthechea concolor* (La Llave & Lex.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum concolor* La Llave & Lex., *Nov. Veg. Descr.* 25. 1825.
- Prosthechea cretacea* (Dressler & Pollard) W.E. Higgins, *comb. nov.* BASIONYM: *Encyclia cretacea* Dressler & Pollard, *Phytologia* 21:438. 1971.
- Prosthechea faresiana* (Bicalho) W.E. Higgins, *comb. nov.* BASIONYM: *Hormidium faresianum* Bicalho, *Bol. Soc. Campineira Orq.* 3(3):91. 1973.
- Prosthechea fausta* (Rchb. f. ex Cogn.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum faustum* Rchb. f. ex Cogn., *Fl. Brasil.* 3(5): 80. 1900.
- Prosthechea fortuneae* (Dressler) W.E. Higgins, *comb. nov.* BASIONYM: *Encyclia fortuneae* Dressler, *Orquidea (México)* 7(4):359. 1980.
- Prosthechea fragrans* (Sw.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum fragrans* Sw., *Prodr.* 123. 1788.

Prosthechea garciana (Garay & Dunst.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum garcianum* Garay & Dunst., *Venezuelan Orchids* 2:122. 1961.

Prosthechea ghiesbreghtiana (A. Rich & Galeotti) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum ghiesbreghtianum* A. Rich & Galeotti, *Ann. Sc. Nat.* III 3:19. 1845.

Prosthechea gilbertoi (Garay) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum gilbertoi* Garay, *Orquideologia* 6(1):16. 1971.

Prosthechea glumacea (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum glumaceum* Lindl., *Bot. Reg.* 25 misc. 38, n. 50. 1839.

Prosthechea grammatoglossa (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum grammatoglossum* Rchb. f., *Linnaea* 22:837. 1849.

Prosthechea greenwoodiana (Aguirre-Olav.) W.E. Higgins, *comb. nov.* BASIONYM: *Encyclia greenwoodiana* Aguirre-Olav., *Orquidea* (México) 12:205. 1992.

Prosthechea grisebachianum (Cogn.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum grisebachianum* Cogn. in Urb., *Symb. Antill.* 6:495, n. 255. 1910.

Prosthechea hartwegii (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum hartwegii* Lindl. in Bentham, *Pl. Hartw.* 150. 1844.

Prosthechea hastata (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum hastatum* Lindl., *J. Bot. (Hooker)* 3:82, n. 3. 1841.

Prosthechea hoehnei (A.D. Hawks) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum hoehnei* A.D. Hawks, *Orquidea* 18:171. 1956.

Prosthechea inversa (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum inversum* Lindl., *Bot. Reg.* 25: misc. 85, n. 135. 1939.

Prosthechea ionocentra (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum ionocentrum* Rchb. f., *Gard. Chron.* 2:8. 1883.

Prosthechea ionophlebia (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum ionophlebium* Rchb. f., *Beitr. Orchid.-K. C. Amer.* 103, n. 6. 1866.

Prosthechea jauana (Carnevali & Ramírez) W.E. Higgins, *comb. nov.* BASIONYM: *Encyclia jauana* Carnevali & Ramírez, *Lindleyana* 9:67. 1994.

Prosthechea kautzkii (Pabst) W.E. Higgins, *comb. nov.* BASIONYM: *Encyclia kautzkii* Pabst, *Orquidea* 14:63. 1967.

Prosthechea lambda (Linden & Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum lambda* Linden & Rchb. f., *Bonplandia* 2:281. 1854.

- Prosthechea lindenii*** (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum lindenii Lindl., Bot. Reg. 24: misc. 51, n. 91. 1838.
- Prosthechea linkiana*** (Kl.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum linkianum Kl., Allg. Gartenzeitung 6:299. 1838.
- Prosthechea livida*** (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum lividum Lindl., Bot. Reg. 24: misc. 51, n. 91. 1838.
- Prosthechea maculosa*** (Ames, F.T. Hubb., & Schweinf.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum maculosum* Ames, F.T. Hubb., & Schweinf., Bot. Mus. Leaflet 3:72. 1935.
- Prosthechea magnispatha*** (Ames, F.T. Hubb., & Schweinf.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum magnispathum* Ames, F.T. Hubb., & Schweinf., Bot. Mus. Leaflet 3:10. 1934.
- Prosthechea mariae*** (Ames) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum mariae Ames, Bot. Mus. Leaflet 5:36. 1937.
- Prosthechea michuacana*** (La Llave & Lex.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum michuacanum* La Llave & Lex., Nov. Veg. Descr. 2:26. 1825.
- Prosthechea moojenii*** (Pabst) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum moojenii Pabst, Orquidea 17(6):204. 1955.
- Prosthechea neurosa*** (Ames) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum neurosum Ames, Schedul. Orch. 1:17. 1922.
- Prosthechea obpiribulbon*** (Hágsater) W.E. Higgins, *comb. nov.* BASIONYM:
Encyclia obpiribulbon Hágsater, Orquidea (México) 8(2):386. 1982.
- Prosthechea ochracea*** (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum ochraceum Lindl., Bot. Reg. 24: misc. 14, n. 15. 1838.
- Prosthechea ortizii*** (Dressler) W.E. Higgins, *comb. nov.* BASIONYM: *Encyclia ortizii* Dressler, Novon 5:140. 1995.
- Prosthechea pamplonensis*** (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum pamplonense Rchb. f., Linnaea 22:837. 1849.
- Prosthechea panthera*** (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum panthera Rchb. f., Bonplandia 4:326, n. 57. 1856.
- Prosthechea papilio*** (Vell.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum papilio Vell., Florae Fluminensis Lc. 9 t. 28. 1835.
- Prosthechea pipio*** (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum pipio Rchb. f., Otto & Dietrich eds. Allg. Gartenzeitung 14:98. 1856.

- Prosthechea pringlei* (Rolfe) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum pringlei Rolfe in Ames, Proc. Biol. Soc. Wash. 17:120. 1904.
- Prosthechea prismatocarpa* (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum prismatocarpum Rchb. f., Bot. Zeitung (Berlin) 10:729. 1852.
- Prosthechea pseudopygmaea* (Finet) W.E. Higgins, *comb. nov.* BASIONYM:
Hormidium pseudopygmaeum Finet, Bull. Herb. Boissier 7:121, t. 3. 1899.
- Prosthechea pterocarpa* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum pterocarpum Lindl., J. Bot. (Hooker) 3:82, n. 2. 1841.
- Prosthechea pulcherrima* (Kl.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum pulcherrimum Kl., Otto & Dietr. eds. Allg. Gartenzeitung 22:233. 1854.
- Prosthechea punctifera* (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum punctiferum Rchb. f., Gard. Chron. 2:38. 1881.
- Prosthechea pygmaea* (Hook.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum pygmaeum Hook., Bot. Mag. 60: t. 3233. 1833.
- Prosthechea racemifera* (Dressler) W.E. Higgins, *comb. nov.* BASIONYM:
Encyclia racemifera Dressler, Lindleyana 11:37. 1996.
- Prosthechea radiata* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum radiatum Lindl., Bot. Reg. 27: misc. 58, n. 123. 1841.
- Prosthechea regnelliana* (Hoehne & Schltr.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum regnellianum* Hoehne & Schltr., Archiv. Bot. Estad. Sao Paulo 1:243. 1926.
- Prosthechea rhombilabia* (S. Rosillo) W.E. Higgins, *comb. nov.* BASIONYM:
Encyclia rhombilabia S. Rosillo, Orquidea (México) 10(1):145. 1986.
- Prosthechea rhynchophora* (A. Rich & Galeotti) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum rhynchophorum* A. Rich & Galeotti, Ann. Sc. Nat. III 3:20, n. 37. 1845.
- Prosthechea sceptrata* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum sceptrum Lindley, Orchid. Linden. 8. 1846.
- Prosthechea semiaptera* (Hágsater) W.E. Higgins, *comb. nov.* BASIONYM:
Encyclia semiaptera Hágsater, Orquidea (México) 9(2):234. 1984.
- Prosthechea serrulata* (Sw.) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum serrulatum Sw., Prod. Veg. Ind. Occ. 121. 1788.
- Prosthechea sessiliflora* (Edwall) W.E. Higgins, *comb. nov.* BASIONYM:
Epidendrum sessiliflorum Edwall, Revista Centro Sci. Campinas 4 extr: 3 tab. 4. 1903.

- Prosthechea sima* (Dressler) W.E. Higgins, *comb. nov.* BASIONYM: *Encyclia sima* Dressler, *Orquideologia* 4:91. 1969.
- Prosthechea spondiada* (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum spondiadum* Rchb. f., *Bot. Zeitung* (Berlin) 10:731. 1852.
- Prosthechea suzanensis* (Hoehne) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum suzanense* Hoehne, *Bol. Agric. (São Paulo)* 1(1):18. 1938.
- Prosthechea tigrina* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum tigrinum* Linden ex Lindl., *Orchid. Linden.* 9. 1846.
- Prosthechea tripunctata* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum tripunctatum* Lindl., *Fol. Orch. Epid.* 41. 1841.
- Prosthechea trulla* (Rchb. f.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum trulla* Rchb. f., *Bonplandia* (Hanover) 4:214, n. 98. 1856.
- Prosthechea vagans* (Ames) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum vagans* Ames, *Schedul. Orchid.* 6:76. 1923.
- Prosthechea varicosa* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum varicosum* Batem. ex Lindl., *Bot. Reg.* 24: misc. 30, n. 37. 1838.
- Prosthechea venezuelana* (Schltr.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum venezuelanum* Schltr. in Fedde, *Rep. Spec. Nov. Regni. Veg. Beih.* 6:39. 1919.
- Prosthechea venosa* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum venosum* Lindl., *Gen. Sp. Orchid. Pl.* 99. 1831.
- Prosthechea vespa* (Vell.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum vespa* Vell., *Fl. Flumin.* 9, t. 27. 1827[1833].
- Prosthechea vitellina* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum vitellinum* Lindl., *Gen. Sp. Orchid. Pl.* 97. 1831.
- Prosthechea widgrenii* (Lindl.) W.E. Higgins, *comb. nov.* BASIONYM: *Epidendrum widgrenii* Lindl., *Fol. Orch. Epid.* 39. 1853.